

ABSTRACT

An object release element includes a lower surface configured to be secured to a platen of stereolithographic fabrication equipment while an object is being fabricated on an opposite, upper surface thereof and readily removed from the platen following such fabrication. The upper surface may include a material to which an object will adhere, but which may be readily removed from the object once fabrication thereof is complete. An adhesive coating, which may cover at least a portion of the lower surface, may be formed from a material, such as a light-curable polymer, that is tacky when in an uncured state and not tacky when in a substantially cured state. Methods of using the object release element may include at least partially coating a support surface of a platen with a nonstick material to facilitate ready removal of the object release element therefrom following substantial curing of the adhesive coating.

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